

## Product sheet

# Mini BLC-4DI



## Making Buildings smart

### Description

The Mini BLC-4DI is a small smart wireless module with four digital inputs. With a Mini BLC-4DI you can commission all of our sensor- or actuator functionalities onto a digital input of your choice.

The Mini BLC-4DI makes it possible to control the Mymesh network via a third party device for example:

- Actuator switch of a Building Automation System
- Time switch, twilight switch or emergency stop switch
- PIR, radar or door contact sensor

### Technical summary

Mymesh is a fully mesh wireless network protocol in which the applied Mymesh components communicate with each other and automatically organise themselves into a fully integrated wireless sensor- and control network, resulting in a robust and scalable smart control system that inherently is the foundation for a smart building network.

### Easy Installation & commissioning

The Mini BLC-4DI is small enough to fit into almost anything and its separate antenna makes up for extra flexibility.

The installation of the Mini BLC-4DI is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

### Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra scalable to > 10,000 devices in one network
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (API) available to connect with Building Automation Systems, dashboards, user apps and more.

### Optional

- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and app

### Special Features

- Can be commissioned as whatever you want, limited to the functionalities our sensors or actuators can provide
- Provides the ability to control a whole floor or even a whole building with just one digital contact.

This product sheet is subject to change without notice.

## Device Information

Connections		Environment	
<b>Rated input voltage</b>	100 - 240VAC, 50/60Hz (140 - 340VDC)	<b>Operating Temp.</b>	-25° to + 70°C
<b>Input voltage range</b>	85 - 265VAC, 47 - 63Hz (120 - 370VDC)	<b>Relative Humidity</b>	10% to 90%
<b>Wiring</b>	1.5 mm <sup>2</sup>	<b>Installation Height</b>	Max. 2000m above sea level
<b>Antenna</b>	SMA Female		
Protection degree		Certification	
<b>Mini BLC-4DI</b>	IP20		ETSI EN 300 440
			ETSI EN 300 328
			ETSI EN 301 489-01/03/17
			IEC EN 62368-1
			RED / CE / UKCA
Safety		Housing	
	Class II, Double insulation	<b>LxWxH</b>	84mm x 30mm x 24.9mm
	Overvoltage category II	<b>Weight</b>	Approx. 50 grams
	Surge protection (1KV L/N)	<b>Material</b>	ABS PA-765
		<b>Colour</b>	RAL 9003 White
Energy Consumption		Radio	
<b>Typical</b>	0.2W	<b>Band</b>	2.4GHz ISM band
Order Information			
<b>Mini BLC-4DI</b>	BLC.5024.002		
<b>Strain relief Mini BLC</b>	BLC.1612.001		